

AMENDMENTS TO THE SPECIFICATION

The three paragraphs after line 29, page 5 of the present Application (at the end of the section entitled “Summary of the Invention” and prior to the section entitled “Description of the Drawings”), which were previously amended by the Applicant by the Amendment dated November 19, 2007, are replaced by the following paragraphs:

According to one aspect of the present invention, a terminal for displaying application program information in a windowing environment comprises a processor adapted to receive windowing information supplied by application programs executing on a remotely located application server. The application programs are resident on the server. The terminal further comprises a display configured to display the windowing information supplied by the application programs executing on the server and means for simultaneously maintaining more than one connection for the application programs between the terminal and server. The terminal does not execute locally the windowing information.

According to another aspect of the present invention, a utility for displaying application program information in a windowing environment on a terminal having a processor comprises a remotely located application server for executing application programs resident on the server and for supplying windowing information of the application programs to the terminal. The terminal has a display configured for displaying the windowing information. The utility further comprises means for simultaneously maintaining more than one connection for the application programs between the terminal and server. The terminal does not execute locally the windowing information.

According to yet another aspect of the present invention, a method for displaying application program information in a windowing environment comprises the steps for: receiving at a terminal windowing information supplied by application programs executing on a remotely located application server; displaying at the terminal the windowing information supplied by the application programs executing on the server; and simultaneously maintaining more than one connection for the application programs between the terminal and server. The application programs are resident on the server. The terminal is adapted to receive the windowing information, and the terminal is configured to display the windowing information. The terminal does not execute locally the windowing information.

According to yet another aspect of the present invention, a terminal for displaying application program information in a windowing environment comprises a processor adapted to receive windowing information supplied by application programs executing on a remotely located application server. The application programs are resident on the server. The terminal further comprises a display configured to display the windowing information supplied by the application programs executing on the server and means for facilitating simultaneously maintaining more than one connection for the application programs between the terminal and server.

The means for facilitating simultaneously maintaining includes virtual machines. At least one of the virtual machines has a text buffer so when the at least one of the virtual machines is in a background it has a virtual buffer that it can write to and it can continue to run in the background. At least one of the virtual machines is configured to send a signal to a graphics application. The application can send a signal to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the

application between the terminal and server is stopped. The server is configured to be commanded to redisplay a screen when the application is switched back to a foreground.

According to yet another aspect of the present invention, a utility for displaying application program information in a windowing environment on a terminal having a processor comprises a remotely located application server for executing application programs resident on the server and for supplying windowing information of the application programs to the terminal. The terminal has a display configured for displaying the windowing information. The utility further comprises means for simultaneously maintaining more than one connection for the application programs between the terminal and server.

The means for simultaneously maintaining includes virtual machines. At least one of the virtual machines has a text buffer so when the at least one of the virtual machines is in a background it has a virtual buffer that it can write to and it can continue to run in the background. At least one of the virtual machines is configured to send a signal to a graphics application. The application can send a signal to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the application between the terminal and server is stopped. The server is configured to be commanded to redisplay a screen when the application is switched back to a foreground.

According to yet another aspect of the present invention, a method for displaying application program information in a windowing environment comprises the steps for: receiving at a terminal windowing information supplied by application programs executing on a remotely located application server, displaying the windowing information supplied by the application programs executing on the server; and facilitating simultaneously maintaining more than one

connection for the application programs between the terminal and server. The application programs are resident on the server.

The step for facilitating simultaneously maintaining includes: providing virtual machines; writing to a virtual buffer when at least one of the virtual machines is in a background; sending a signal to a graphics application; sending a signal to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the application between the terminal and server is stopped; and commanding the server to redisplay a screen when the application is switched back to a foreground.

According to yet another aspect of the present invention, a computer-readable medium or media are encoded with instructions for displaying application program information in a windowing environment. The instructions comprise code for: receiving at a terminal windowing information supplied by application programs executing on a remotely located application system; displaying at the terminal the windowing information supplied by the application programs executing on the system; and facilitating simultaneously maintaining more than one connection for the application programs between the terminal and system. The application programs are resident on the system. The terminal is adapted to receive the windowing information. The terminal is configured to display the windowing information. The terminal does not execute locally the windowing information.

According to yet another aspect of the present invention, a computer-readable medium or media are encoded with instructions for displaying application program information in a windowing environment. The instructions comprise code for: receiving at a terminal windowing information supplied by application programs executing on a remotely located application

Application No.: 09/400,733

system; displaying the windowing information supplied by the application programs executing on the system; and facilitating simultaneously maintaining more than one connection for the application programs between the terminal and system. The application programs are resident on the system.

The code for facilitating simultaneously maintaining includes code for: providing virtual machines; writing to a virtual buffer when at least one of the virtual machines is in a background; sending a signal to a graphics application; sending a signal to the system to command it to stop sending display when the application is switched to the background so that traffic relating to the application between the terminal and system is stopped; and commanding the system to redisplay a screen when the application is switched back to a foreground.